MICROCHIP

PIC32MX7XXFXXXX USB, CAN and Ethernet 32-bit Flash Microcontrollers

General Description:

PIC32 family has established itself as a performance leader stemming from the highest DMIPs/MHz rated MIPS® M4K® core, highly efficient internal bus architecture, and advanced instruction caching. PIC32 MCUs offer a range of general purpose and integrated connectivity peripherals including Ethernet, CAN, and USB host/device/On-The-Go. Integrated flash memory ranges from 32K to 512K and on-board RAM ranges from 8k to 128k.
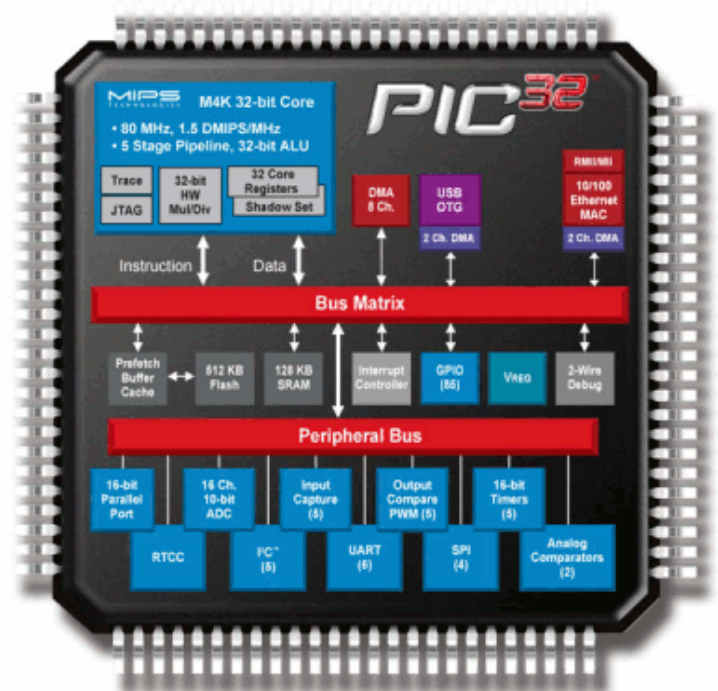
Key Features:

Power your RTOS, Touch Screens
and Complex Applications

- 80 MHz, 1.56 DMIPS/MHz MIPS M4K Core
- 256K-512K Flash with pre-fetch cache
- 128K RAM for data and program execution
- Fast interrupts and context switch

Simplify Your System Design
Through Integration

- Extensive analog and digital peripherals
- USB Host/Device/OTG, Dual CAN, 10/100 Ethernet
- Up to 16 DMA channels
- 16-bit parallel master port

Applications:

- Web Enabled Vending Machine
- Home Security Systems
- Wireless Handheld Unit
- Home Metering Gateway
- Wireless VoIP Intercom

- Ethernet-CAN Gateway
- IP Camera

Related Products Information:

Mfr Part #	Farnell #	Newark #	Description
PIC32MX795F512L-80I/PT	1778492	25R8419	MCU, 32BIT, 512K FLASH, USB, 100TQFP
PIC32MX795F512L-80I/PF	1778491	53R0338	MCU, 32BIT, 512K FLASH, USB, 100TQFP
PIC32MX775F256H-80I/MR	1778977	53R0326	MCU, 32BIT, 256K FLASH, USB, 64QFN
PIC32MX775F256H-80I/PT	1778978	25R8406	MCU, 32BIT, 256K FLASH, USB, 64TQFP
PIC32MX775F256L-80I/BG	1778979	53R0328	MCU, 32BIT, 256K FLASH, USB, 121BGA
PIC32MX775F256L-80I/PF	1778980	53R0329	MCU, 32BIT, 256K FLASH, USB, 100TQFP
PIC32MX775F256L-80I/PT	1778981	25R8408	MCU, 32BIT, 256K FLASH, USB, 100TQFP
PIC32MX775F512H-80I/MR	1778982	53R0332	MCU, 32BIT, 512K FLASH, USB, 64QFN
PIC32MX775F512H-80I/PT	1778983	25R8410	MCU, 32BIT, 512K FLASH, USB, 64TQFP
PIC32MX775F512L-80I/BG	1778984	53R0334	MCU, 32BIT, 512K FLASH, USB, 121BGA
PIC32MX795F512H-80I/MR	1778988	25R8414	MCU, 32BIT, 512K FLASH, USB, 64QFN
PIC32MX795F512H-80I/PT	1778989	25R8415	MCU, 32BIT, 512K FLASH, USB, 64TQFP
PIC32MX775F512L-80I/PF	1778986	53R0335	MCU, 32BIT, 512K FLASH, USB, 100TQFP
PIC32MX775F512L-80I/PT	1778987	25R8412	MCU, 32BIT, 512K FLASH, USB, 100TQFP
PIC32MX795F512L-80I/BG	1778990	25R8418	MCU, 32BIT, 512K FLASH, USB, 121BGA